STIC-Biotech/ChemLib

80441

From: Sent: To: Subject: Hutzell, Paula

Tuesday, February 25, 2003 4:20 PM Collins, Cynthia; STIC-Biotech/ChemLib

RE: RUSH interference sequence search request SN 09/846903

Approved

-----Original Message-----

From:

Collins, Cynthia

Sent:

Tuesday, February 25, 2003 4:18 PM

To:

Hutzell, Paula

Subject:

RUSH interference sequence search request SN 09/846903

Paula,

Can you approve and forward this rush sequence search request? It is for an amended case.

Please search, **both** prior art and interference, for SN 09/846903:

1) SEQ ID NO:79

Thank You,

Cynthia Collins Art Unit 1638

CM1, 9A12 (office) of 9E12 (mailbox)

(703) 605-1210

Point of Contact: Mona Smith

Technical Information Specialist CM1 6A01

Point of Contact: Mona Smith

CM1 6A01

Technical Information Specialist

Tel: 308-3278

TYPE OF SEARCH.

VENDOD COCT (when sont's)

adion. Date Picked up: Date Completed: 31616 2 Searcher Prep/Review:____ Clerical:

Military to the

sucture ... Bibliographic: Litigation: Full text:___ Patent Family:

lester orbit DRLink: _____ Lexis/Nexis: Sequence Sys.: WWW Internet: American Space of

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AUTHORS TITLE

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REFERENCE

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361 TELATGEAFFORAGTOGALTACAPODAACCTTOGEOTTGAGTAGTTAFOTGAAAAAAAAAAA 420

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    Rammakrishna, W., Stam.M., Bennetzen, J. and Chandler, V.

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Submitted (26-MAR-1999) Wakeman (matitute, Untgers University, 190
Prelingbuyses Poad, Piscataway, New Jersey 98854-8026, United
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1145 ACTICACTAACACTCOTTAAAACCCAAGATCCGAAAAGAGGCTAAAATTGAGCAAGAAGAATGA 1244
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Zhpi_family="HOSK-2"
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/db_xref_Folia8.81967.3"
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SELECTED DE AVELVA, C.C., DELETARAABBYV, MAY EVLY VANDER, DV
OGADIDLISHVINAGARACISH PROPOSATAVPRIADAGSVIVELEE FESVENTY ARRAB BEHE
FAKRABLEET DATVAREGERIAAA STAVAVESAFET I GLABBARAVA VAEP
W.G.B.SVEVWED, VANDALAERE BEARF VEDELVASSWAD VEDELE BEAGGEREKEN
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complement()oin(1186, 11847,14762, 11992,14 48, 114417, 14569, 14844,16850, 116968))
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/hote="similar to 5" region of retrotransposon dell-45
/note "LTR for refrotranspasan 'Retroson 4'" complement(]oin(2916, 3261, 3392, 3933,4175, 3446),
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//note="high copy short interspersed" //rpt_lamily "HYSR 2" //rpt_typ-dispersed [9417., 19569
                                                                                                                                                                                                                                                                                                                            /note-"predicted protein"
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/protein_id "AAD22158.1"
/db_xret-"G1:4539665"
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"" or before Nov 20, 2201 this approve rension replaced ji.22204,
qi:115454.2, qi:122416.6, qi:147.9277,
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/sin(21, 178,284, 178,1451, 1927,3754, 18342)
/dene "hypro4"
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"h, pr.4"
        Proc. Natl. Acad. Sci. U.S.A. 95 (14), 5573-9578 (2002).
2210:519
120:6715
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complement(join(12219, .12170,13252, .14404))
/dene "oytP450"
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/predoct "bypothetical protein 4"
/protein_id="AAK7*103" ('
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/qene="mapkkl"
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BLYGAVPILABRATASAHISOVKVEKSITLIJITIAMLHGEIVWSAYAASAFNITEFRI
/protein_id="AAR24105.1"
/db_xret="G1:14719280"
/Crasslation="KGIG-YVALVAAAIAVVLVIKIMTAIAHIWSHTAVARAIAAEHI
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/note="opic2 target site duplication"
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/note="opic2 polypurine tract"
29813. .41017
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//occ. "336, Prom2a dad protein"
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/protein_id "AAK73106.1"
/db_vret "G::14719281"
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/qene="qaq"
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/dene="qaq"
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/hav. "dif.Preemba 5/1JR"
21118. 151800
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See Section 1 HTG 27-MAR-2002 TO SECTION 1 HTG 27-MAR-2002 TO SECTION 1 HTG 17-MAR-2002 TO SECTION 1 HTG 1 H
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    Januaristy Lead force (epartment of
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of the gaps between them are based on estimates that have
provided by the sibmist a.
This sequence will be replaced

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linear PAT 06-PER-2002
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Patent: RP 0200905-A 94 03 JAN 2002;
Monsanto Technology LLC (US)
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Plant requiatory sequents for selection catrol f year expression
Patent: Wo 0183790+A 82 08-NOV-2001;
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Spermatophyta; Magnellophyta; Hillopsida; Poales; Poaceae, PACC
clade; Panicoldeae, Andropoqoncae, Zea.
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Spermatophyta; Magnoliophyta: Liliopsida; Poales: Poaceae: PACC
                  1598 CCTTGGAAGCCGGAAGATTGGTCA---ATGACTTATAAAAAGCAGAGGACACAGAATG 1654
1113 TICAAGGATGAAGGITGTAGTTTTAAGATTGGGTGGTTTTTTTAATTTCATT TA 1171
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Op Migrathage 45; indels
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                                                                                                                                                                                                                                                                Sequence 94 from Patent W00200905.
AX356360
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Quidley,F.
Direct Salmission
Submitted (26 MAY 1992) F. Quidley, Univ. J. Fourier Grenoble, Lab.
Biol. Mol. Vegetale Univ J Fourier, M.P. 53X, 38041 Grenoble Gedox,
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Barakate,A., Martin,W., Quialey,F. and Mache,R.
Characterization of a multique tamily eucoding an
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/protein_id="CAA47052.1"
/db_xref="G1:288612"
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A quene with identity or significant homology to a protein is classified hased on the protein homology to a protein but a same name. 'putative' and 'like protein A gene without significant homology to any protein but with BST homology (covering almost the oritin by the profit with a gene prodict of protein A gene prodict with a gene prodict of same is classified as an unknown protein a A gene prodicted with a gene prodiction with a gene prodict of the orientation of the sequence of RIDAHO clone has an overlap with BAC clone. This sequence of RIDAHO clone has an overlap with BAC clone. This sequence of RIDAHO clone has an overlap with BAC clone. This sequence of RIDAHO clone has an overlap with BAC clone. This sequence of RIDAHO clone has an overlap with BAC clone. This sequence of RIDAHO clone has an overlap with BAC state and a state of the original production of this entry is available at hit priving day with RIDAHO clone at the search is available at hit priving day with mortation of this entry is available at hit priving day withen or priving or priving day withing a site or priving day within a site or priving a seambly qualifiers.
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unknown protein"
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unknown protein"
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loin(9310. .9551,9618.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3532 3508
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7428, .8396
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/qene "Bll08Hl0.1"
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/gene="Bl108H10.1"
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2468)
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YPMTPOLMFPMOHITTLIKQAMPOVIPTGEANMACNOGGANNNGVARSPEAGETDMADG
                                                                                                                    TTSGKSSVANPMSVGEASGGVGPVQLHPPQTLTAGNGFGPPVEHPVTASQPHPYFLSM
                                                                                                                                       ELLPAMANPSGHGELVWGTDVSIENMHHGFTHVFECTFESTEGVKEYIEHPAHLEFAK
EILLAMEKTLIIDYMPTAVNNS"
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TPMEVAVRFIATYWEKNQIATYWFENDRASRIISRTPMEVVV"
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MKAPHWGTDVSIEWHIGGFTHVFESTFGSTEGVKEYIEHFAHVFFAHFFLPVLEKTLI
                                                                                                                                                                                                                                                                                                     Zhot. "hpethathat pistein
similar to Organ satira chromosome 10, osimPacosomelli
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         pseudogene similar to oryga sativa chromosome 1, Pü489Aüll2" similar to oryga sativa chromosome 1, Pü489Aüll2" \,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /gene="B1108H10.8"
/gote "contains EST AU092422(050524)
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/gene="Rlj08Hl0.8"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        complement(21910, .22638)
/note="3' LTR"
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/gene="B1108H10.6"
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/profein_id-"RAP92722.1"
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/gene="B1108H10.7"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     join(38213, 39
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/note="5' LTR"
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RESULT 14 AC122574/c

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PATEPILEDLIFRSHOLPETT, YNSTROTFROLBGARTT TESPSRAPHAR
STASS OPPLEMA PAGE AN HEVAAA ALADHURA LESSASLFIGARP
SASYSPET PETTERAN OAN HEREFFEHIV VATGGARALIZATULA.
ASASYSPET PETTERAN OAN HEREFFEHIV VATGGARALIZATALI.
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                                                                                                                                           NAME WESTERN STORAGE WIR A CONTROLLING 107621
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Submitted (12-JUL 2012) Homan Second Sequencing Perfor, Department
of Molecilar and Homan Second is, buylor Soilege of Modeline, Two
Baylor Plaza, Houston, TX 77030, USA
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* NOTE: 11.1 *** 145 i m.* ' i.d. S. Andan I. 11. 1414 End.)
* NOTE: This is a "working draft, sequence. It currently
* Consists of 53 contigs. The true order of the pieces
* is not known and their order in this sequence record is
                                                                                                                                                                               NoTE: Estimated insert size may differ from sequence length
                                                                                                                                                                                                                                             * arbitrary, Gaps between the colligs are represented as * runs of N, but the exact sizes of the qaps are unknown. * This record will be updated with the finished sequence * as seen on it is available and the accession number will * be preserved.
                                                                                            Chemistry: Dyo-terminator Biq Dye: 100% of reads Assembly program: Phiaps version 0.969329 Consensus quality: 14047 bires 31, least Q40 Consensus quality: 14044 bises at least Q40 Consensus quality: 147460 bases at least Q20
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contia of 3010 kg in length
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male reproductive tissues, such as anthers, tassels, and to regulate Transcription of target genes including genes for insect or pathogen tolerance

Claim 1: Page 104-106; 121pp; English.

sequences from the male reproductive t ssues of corn (Zea mays). The promoter sequences, framents, regions of is elements of the sequences are capable of requisition of an operably linked DNA sequence. The promoter sequences conter enhanced expression of operably linked decrease in monocot, or dicot male reproductive tissues, such as anothers, especially about anthers and is useful for regulating transcription of a DNA sequence, by operably linking the DNA sequence to the promoter. The promoter sequences are useful in the interpretation of target genes including genes for control of fertility, insect or pathogen between and between they are also and several managers. useful as probes or primers in nucleic acid hybridisation experiments. The promoter sequences can be used in hybridisation assays of other The present invention relates to the isolation of plant regulatory plant tissues to identify closely related or homologous genes and associated regulatory sequences AAS96558-AAS96577 represent the corn promoter sequences of the present invention.

Sequence 2213 BP; 656 A; 496 C; 492 C; 569 T; 0 other;

0; 300 360 61 AGGCAAAGTGTCCTATTGCACCTCTAAGGAGGTAGGACTAATCAACTCCCTAGTGACACC 120 61 AGGCAAAGFGTGCTATTGCAGCFGTAAGGAGGTAGGAGFAATCAACFGCTAGTGACAGC 120 121 TATGTAGGCCATGTGAGGAGAGGCAATGATGTTGACTAAGACTGATTCAGGTTA 180 181 ACTICTTGAACTGCTACAACAAATAACTTTTGGAGCAAATTTTTGGCAATTGTTAG 240 241 GEGAAGGCASTAAAFGEGATGFGGCTCACCTCSFGAGCASTTTTAFACTGAAAAFGCA 300 61 GALITAACITCTAGGICAACCTITTITACITCAAATGIATCACCTICAITTAAACAAGC 420 961 GALTTAACTTCTAGGTCAACGTTTTTTACTTCAAATGTATCACCTTCTTAAACAAGC 420 421 TTFAGGAAGTFGFTTTFCGGATCTTTGGAATFGGGCCTCCAAGTTATAATTTTGCAATC 480 121 ILLAGGAAGTTGTTTTGGALGTTTGGAATTGGGCGFCCAAGTTATAATTTTTGCAATG 480 481 TAAGGTGTFTGGAAAGAAAGAAGTGATATGGGAATGGGGTAGTFTTGGGGAGGTTGTA 540 TAAGCTCTTTGCAAAGAAAACAAACTCATATCGCAATGGGCTACTTTTGGGGACCTTCTA 540 Gaps 1 COTOTICCTTCGGCATTTCLGTAGCTACTCGACGATGAGGTCTTCGTCGCCTCATCGGT 60 1 POTICIFICACIA GRANTITIC TO TRANSPICACIO POR CONTROL (U) CATGACGO JACACGGTCA FGGAAATTGTTCCCCC TOCAGGGCCCAAGTCCCCCCTCGAT 101 CATGACGCGACACGGGTCATGGAAATTGTTCCCGCGCGAGGTCCCAAGTCCCCCCTCGAI 100.0%; Score 221?; DB 24; Length 2213; 0; Indels Pred. No. 0; 0; Mismatebes 100.0%; Best Local Similarity 100.C Matches 2213; Conservative Onery Mateh 2 3 5 40 ò 5 3 3 3 5 4.7 3 3 5 Ę Š 3

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to the promoter. The promoter sequences are useful in plants to requiate transcription of target genes including genes for control of fertility.
                  sequence. The promoter sequences content enhanced expression of operably linked genes in monocot or direct male reproductive tissies, such as anthers, especially wheat anithers and is useful for registration transcription of a DNA sequence, by operably linking the tWA sequence.
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are capable of requlating transcription of an operably linked DNA
                                                                                                                                                                                                                                                                                                                               Best Local Similarity 100.0%; Prod. No. 9; DB 24; DGLIft 1747; Matches 1797; Corservative 0; Mismorthum
                                                                                                                                                                                                                                                                                                               Sequence 1797 EP: 548 A; 383 C; 409 C; 451 1; Cothern
                                                                                                                                                                                                                                                                       corn promoter sequences of the present invention.
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                                                                                                                                                                                                                                                                                      2157 GGGAGACCAACGATGCTCATCCCCAAGGCGACTACCTGGGGCCGTCTCTACTT 2213
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ABK 27905 standard; cDNA; 1109 BE.

ABK 27905

ABK 27905;

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The invention relates to an isolated nucleur acid (I) promoter capable of regulating transcription of an operably linked DNA sequence. The promoter sequences may be used for acterively medalities expression of any eperatively linked them and prefixed additional regulatory element diversity in a plant expression vector in one stacking approaches, and for regulating quee expression in made preponductive tissues or dene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      transcription of any target gene (e.g. for controlling ferfility, insect,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       regulatory sequences. ABK27808 ABK27918 represent corn male reproductive tissue promoter sequences and PCR primers of the lavention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New plant regulatory sequences or promoters and non-left acids encoding thom, useful for regulating gene expression, especially in male
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          pathogen or herbicide tolerance). The nucleic acids are useful as hybridisation probes or primers in hybridisation assays of other plant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       tissues to identify closely related or homologous genes and associated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               61 ANTIAAATCCGAGCAGCCGAAGATGGGGAAAA1ANGCTACTGCCTTAACAACALTTGTAA 120
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                                                                                                                                                                                     Corn: malo reproductive tissue: promotor: plant: qene stacking:
                                                                                                                                                                                                                     fertility; insect; pathogen; herbicide tolerance; dene; ss.
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                                                                                                    Corn male reproductive tissue promoter sequence #19.
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The invention relates to an isolated naciois acid (1) premeter capaths of sequences may be used for selectively modular induces. The prometer sequences may be used for selectively mischally inked queen and provide additional requisitory content diversity in a plant expression in male rependenties associated for requilibrial and provide appropriately to a plant expression in male reproductive tisses or gene transcription of any farget queen (e.g. for controlling terminal as plantaced queen (e.g. for controlling terminal as hybridisation profile or primers in philastion profile or primers in philasticm profile as a second controlling tissues to identify closely related or homologues quies and associated requiatory sequences. ABK27808 ABK27918 represent corn male
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            reproductive tissue promoter sequences and POK primers of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New plant roqu atory sequences or promotors and muchoic acids concoding them, useful for regulating demo expression, especially in major
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1598 CCTTGGAAGCCGAAAGAGTTGGTCA---ATGACCTATAAAAAGCAGAGACACACAGAGTG 1554
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1655 CCCTALTCARGCALTGCCTAAAALAGCAAAGGCCAAACGATTTCGTGTTTAGAAATAGAA 1714
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  + HITHITHIT BIT FILLIFILLE HE HELLE THE STATEMENT OF STAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     512 0011104ACOS AAGASTOSTOATOSASAAGELSAAAAAAAAA TAAGASTAAGASAATT 971
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     45; Indels 11;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Suggestion 727 Bit 187 A. 125 S. 143 S. 215 T; O other;
                                                                                                                                                                                                                                                                                               Conner IW, Dabois P., Malven M., Masseri 313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               6; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 1; Page 15: 131pp; English.
                                                                                                                                                                      (MONS ) MONSANTO IECHNOLOGY LLC.
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                                                         28-JUN-2Coup 2 joings-21435Pp.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200183790-A2.
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AAS96561
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US2001051335-A1.

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the present investion relates to the ignition of plant regulatory sequences from the maje reproductive tissues of morn (Zea mays). The promoter sequences, fragments, regions or cis elements of the sequences, are capable of requisiting transcription of an operably linked DNA sequence. The promoter sequences enter relative tissues to operably linked genes in monopol or direct male reproductive tissues, such as anthers, especially wheat anthers and is useful for requiating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            transcription of a DNA sequence, by operably linking the DNA sequence to the promotor. The promotor sequences are useful in plants to regulate transcription of target power the before power to control of terminity.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1366 CTTTATTCAAGCATGGCCTCAAAATAGCAAAGTGCAGAGGGGTCATTTQGTGTAAATAGGA 1425
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 insect or pathogen tolerance and burbhinds tolerance. They are also useful as probes or primers in nucleic acid hybridisation experiments. The promoter sequences can be used in hybridisation assay all other plant itsuses to identify closely related or homologous genes and associated requiring sequences. AASU6558-AASU6577 represent the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1655 CCCTATTCANCATTGCCTAAAAATAGCAAAAGCCAAAACGAAATTCGTGTACATAGCA 1714
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1715 AACCOTOCTOTOTOTOTOAAGAAAGGATATOTTOGOGAACATGGGAATGG 1774
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Corn; corn tassel-derived polynuclestice, edge; hybrid breeding; CDEs; inheritance; characteristic; growth, development, disease resistance; cortronmental adaptability; quality; yield; molecular marker; multigene trait; plant breeding; corn tassel; gene; as.
                                                                                                                                                                                           Novel promoters inolated from corn for controlling gene expression in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11, Gaps
                                                                                                                                                                                                               male reproductive fissues, such as anthers, tassels, and to requlate transcription of target genes including genes for insect or pathogen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4.0%; Score 8B; DB 24; Length 1511; 73.6%; Prod No 2.75-15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches 45, Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Corn tassel-derived polynucleotide (edps) SEQ ID NO:6185.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 1511 BP; 422 A; 273 C; 329 C; 487 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   corn promoter sequences of the present invention.
                                                                                                          Dubois P, Malven M, Masurei JD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1775 CCAAAGGGGAGGAGAACHAGGAAAGGGGAA 1806
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Maim 1; Page 107 108; 121pp; English.
                                                               (MONS ) MONSANTO LECHNOLOGY LLC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABL76811 standard; cDNA; 283 BP
                    01-MAY-2000; 2000US 201255P.
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                                                                                                                                                  MPI; 2002-055481/07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             similarity
                                                                                                          Conner TW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABL76811;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Zea mays.
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requiatory elements and to follow inheritance of desirable characteristics through hybrid breeding programs. (I) are also useful in the cradiation, and afteration of desired characteristics associated with growth and development, disease resistance, environmental adaptability, quality and yield, and as molecular markers for studying inheritance of multigene traits in a plant breeding program. (I) can be used to produce a tassel-specific profile of gene transcription, a transcript mage, to come requiatory elements for use in transformation vectors, to express a polygetide. As density, isolate is extend identical or related corn tassel nucleic acid sequences from DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Morel purified corn taxael derived polynocleoxide asctul for determining altered gene expression, to percent regularing elements and to follow inheritance of desirable characteristics through hybrid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 libraries, in nucleic acid hybridisation or amplification technologies, as query sequences to determine homelogy of known sequences, as probe for use in Southern or Northern hybridisation, and to identify the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present sequence describes a partitiod corn tassel-derived polymortexities sequence (edge), comprising a martier axis sequence sedercast time those given in AMIZECT to AMIZECT to AMIZECT. The disception of sequences corn tassel-derived polymortiaes (10)s). The edge sequences (1) are the nace for determining altered approximate, to present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1758 CCATCCAFFCCCAATCCCCAAAGGCGAGGAGAACFACCAAAGGGAAATGCFGFTFF 1817
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 77; Indels 46; Caps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              178 AGGCAGCG------COARTICACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 CCATCGATCTCCCCCCAGGGGGAGGAGAGAGCCGGCGGCAGCACAACAAGAAAATGGCTTC AG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            61 GOCACACACGCTCTCNGGGTGTTTTTCATCCTAGTCGTGGTATGTGCT---GTATGCAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ouery Match 3.1%, Score 69.4, BB 24, Length 2849 Bast Local Similarity 60.2%, Fred. No. 4.6e-10. Matches 171; Conservative 9; Mismatches 77; Indels 66,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1908 GAAGTTGGGGGGGCCACCACGCCAAGACGGACTGSACACACGC 2041
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      205 CAAGCTCCCCCGCGACCAGCGACGACTAAGACGGATTGCACAAAAC 248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 283 BP; 68 A; 79 C; 94 G; 41 T; 2 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              _
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                                                                                                                                                       9908 0294093.
                                                                                                                                                                                                                                            98US-082567P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Lalqudi RV, Ito LY,
                                                                                                                                                                                                                                                                                                                                            (LALGZ) LALGUEL R V.
                                                                                                                                                                                                                                                                                                                                                                                               (JIOLZ) ITO L Y.
(SHERZ) SHERMAN B K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WP1; 2002 164647/21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              breeding programs
                                                                                                                                             16 APR 1999;
                                                                                                                                                                                                                                            21-AFR-1998;
                                                  13-DEC-2001.
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RESULT 7 ABL74355

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transcript image, to clone regulatory elements for use in transformation vectors, to express a polypeptide, to identify, isolate or extend identical or related corn tassel nucleic acid sequences from DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Novel purified coin tassel derived polynocleotide ison; to determining altered gene expression, to recover requiatory comments and to follow inheritance of desirable characteristics through hybrid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        polyhodicutide a quence (odps) compelsion a no ich acid asspace e selected from those diven in ABL70627 to ABL7683. The edgs sequences encode coin tassel-derived by ypepildes (CDES). The edgs sequences (1) can be used too determining a resed durie expression. Too encode requisitors and to to low interface at desirable characteristics through bythid breeding programs. (i) are assentated in the evaluation, and alteration of desired characteristics assentated
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             libraries, in nucleic acid hybridisation or amplification technologies, as query sequences to decormine homology of known sequences as productor use in Southern or Northern hybridisation, and to identity the presence of and/or to determine the degree of similarity hetween two
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Corn; corn tassel-Jerired polynoclection edps; hybrid hyerdina, class; theoritance; charecteristic arowth, development; discusse esistance; configuration adaptability, arowth, yields molecular marker; multique trait; plant breeding; coun tassel; quice ss.
                                                                                      1951. GTAG DOGAR-AAGGLGGGGGTAGAGCTAGTAGAGCTLCGACATALCGAAAGG GOOTT 2010
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                                                                                                                  1891. GLAG NAMGERMEINMINITEGETETING OF THE POLITIONAR ACTION OF A POLITICAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       the present sequence describes a pullibed corn tassel derived
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Corn tassel-derived polynucleotide (Adps) SEQ 1D No.5656.
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for use in Southern or Northern hybridisation, and to identify the presence of and/or to determine the degree of similarity between two
                                              (or more) nucleic acid sequences.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present sequence describes a purition from tassel-derived polynucled field sequence (edps) comprising a nucleic acid sequence selected from those given in AMJ70627 to AMJ70833. The edps sequences enrode corn tassel derived pergreptides (173). The edps sequences can be used for determining altered gene expression, to recover requiatory elements and to reliew teherithere of destrable relaxities through hybrid breaking programs. (I) are also useful in the evaluation, and alteration of desired whith growth and development, disease resistance, environmental
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             determining affered gene expression, is recover regulatory elements and to follow inheritance of desirable characteristics through hybrid
                                                                                                                                                 2117 AGGRAGTECTAGGALANTEGAAGGTGAGTGGGGTAFTGGGGAGGAGGAAGGATGCTCA 2176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Oprn; corn tassel-derived polynucleotldo; edps; hybrid breeding; CDPs;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  inheritance, characteristic, growth, development, disease cesistance, environmental adaptability, quality, pield, molecular marker, multiqene trait, plant breeding, corn tassel, gene, 98.
                                                                                                                                                                          l; Gaps
                                                            3.08; Score 65.4; DB 24; Length 293;
15.68; Pred No. 7.38-09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel purified corn tassel derived polynomicotide useful for
                                                                                                           0; Mismatches 13; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Corn tassel-derived polynucleotide (edos) SEQ 10 No:4144.
                  Sequence 293 Rt; 70 A; 85 C; 96 G; 36 T; 6 other,
                                                                                                                                                                                                                                       2177 TCCCCAAGGGCGACTACCTGGTGGGCCCTCTCTACTT 2213
                                                                                                                                                                                                                                                                                    191 TOCCOAAGGGGGACTACCTGGGGGCCTGTCAACTT 227
                                                                                      Presd No.
                                                                                                                                                                                                                                                               laim 1: SEQ ID 4144; 201pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                               ABL74770 standard; cDNA; 64 BP.
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                                                                                    85.68;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (4-MAY-2002 (first entry)
                                                                                                           84; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLALG/) LALGUDI R V
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SHERZ) SHERMAN B K
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2002 153647/23
                                                                                    Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 4 - DEC - 2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                              ABL74770;
                                                               Ouerry Match
                                                                                                       Matches
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with growth and development, disease resistance, environmental adaptability, quality and yield, and as molecular markers for studying inheritance of multique traits in a plant breeding produce. (1) can be used to produce a lease) specific profile of eque trainstript inease, a lease studies of tenestript inease, to close requisitory circuments for use in transformation vectors, to express a polypeptide, to identify, isolate or extend
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                                                                                                                                                                                                                                                                                                                                                                                                                                             1761 ICCATCCCCAATCCCCAAAGGCGAGGAGAAAATAGCAAAGGGGAAAATGGCTGGTTCCAC 1820
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present expuence describes a partitled orn tassel-derived polyporteetic field sequence (edgs compressing a modeler acid sequence engage ergorest train these gives in ABLOG22 to ABL248.4. The edgs sequences encode even tassel derived polypeptides (PDFs). The edgs sequences and the resolutions of the edge sequences (i) and present the edge sequences (i) and present the edge sequences (i) and edge and ed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2 TCCATCCCCAATCCCCAAAGGCGGGGGGGAACTAGCAAGGGGGAAATGCCTCCTTCCAC 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Nevel purified corn tassel derived polymurleotide useful for
                                                                                                                            Ouery Match. 2.8%; Score 62; DB 24; Longth 64; Best Local Similarity 98.4%; Pred, No. 3e-08; Matches 62; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Corm tascel derived polynaelectide (edps) SDQ ID Ne:4432.
Sequence 64 BP; 21 A; 18 C; 16 G; 8 T; 1 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABL75058 standard; cDNA; 299 RP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (LALG/) LALGUDI R V.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SHER/) SHERMAN B K.
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The present invention relates to the isolation of plant regulatory sequences from the male reproductive tissues of corn (Zea mays). The promoter sequences, fragingly and is a cis chambus on the sequences are capable of regulating transcription of an operably linked innascription of an operably linked innascription of an operably linked innascription of an operably linked sense in memory of dison male reproductive tissues, such as anthers, especially wheat authers and is useful for regulation transcription of a law sequence, by operably linking the PMS sequence to the promoter requences are useful in plants to regulate
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                                                                                                                  1501 GCAAATIGIIGALTIIGACIIGGAG TITITIAAANAAAA MAAAAAAAAAAAAAAAATIGI 1566
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Corn. male reproductive tissue; plant regulatory sequence for mays: promoter thanseription regulation deciably linked gene; meached; plantic wheat anticor plant territity; insect tolerance; partners herbitide tolerance; as:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The promoter sequences can be used in hybridisation assays of other plant tissues to identify closely related or homologous approach associated regulatory sequences. AASOA558-AASOA577 represent the
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                                                                                                                                                                                                                                                                           1561 CACCGGCGAICHTTAAG 1577
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                                                                                                                                                                                                                                                                                                                                                       770 AGEGGATGITTCITAGG 754
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W0200184798 AZ.
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transcription of a DNA sequence, by operably linking the DNA sequence to the promoter. The promoter sequences are useful in plants to regulate
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        transcription of target genes including genes for control of fertility, insect or pathogen tolerance and herbicide tolerance. They are also useful as probes or primers in nucleic acid hybridisation experiments.
1441 CCTAAGAAACATCCACTCTAAATGTCTTTGCACATAGGGTTCACTTAAAAAAGGGGAAAT 1500
                                           1101 CAAAATGAACAATTTGCATTTGCGGTTTTTTAA3TGAACCGTATGGCAAAGACATTTAG 1042
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Corn; male reproductive tissue; plant requiatory sequence; Zea mays; promoter; transcription requiation; operatly linked gene, monocot; dicot; wheat anther; plant fertility; insect tolerance; parthogen tolerance; herbicide tolerance; ds.
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September 1, App. 1, A
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APPLICATION HOMBUE: US/08/242.463
US - W 2.46 | (4A ) | US (W C ) (4A ) | US (W C ) (4A ) | C | US (W C ) (4A ) | C | US (W C ) (4A ) | C | US (W C ) (4A ) | C | US (W C ) (4A ) | C | US (W C ) | US (W C 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: DOUGH, F.
APPLICANT: STRETELINGER, F.
APPLICANT: STRETELINGER, F.
APPLICANT: FALKNER, F. G.
TITLE OF INVENTION: RED-MBIRANT FOWLFOX VIRUS
NUMBER OF SECURES:
COMMISSIONED ADDRESS:
AMBRESSEED: FOLGY & LATCHOFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-469 A02B 4
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PRIOR APPLICATION DATA:
APPLICATION DUBBER: US/37/945,413
APPLICATION DUBBER: EP 91 114 400.6
APPLICATION DUBBER: EP 91 114 400.6
APPLICATION TOWNS EN 91 144 400.6
ATTORNEY/AGENT INFORMATION:
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COMPUTER: 1BM 9C computible
OPERATING SYSTEM: pc: hogs/ys:103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 1
08-08-22-46-43-14/c
is Sequence 14, Application 0S/082:2463
is Patent No. 5670467
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REGISTRATION NUMBER: 29,76H
RETERNOLYCKET NUMBER: 3647.
TELECHONGUICATION INTRAMATION:
TELEPHONE: (704)846.9300
TELEFAX: (713)683-4109
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INFORMATION FOR EEQ ID NO:
SEQUENCE CHARACTERISTICS:
   TYPE: nucleic acid
STRANDEDNESS: single
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy o
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US-08-232-463-14
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   USA
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2.0%, Score 43.4; DB 1; Length 72.09;

Query Match

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APPLICANT: Dong Kyu JIN
TILLE OF INVENTION: Diagnostic Method and Kit for Neuropsychiatric Diseases
TILLE OF INVENTION: Using Trinucleotide Repeats Sequence
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                                                                                                                               692 AGCTITOM FGACAGCAAAGGAGCTICAGATACAAAGGCAAAAAAGGCGACGAAGGCCTI 751
                                                                                                                                                                                                                                                                                752 AAATOOGAGGGGAAGATGGGGAAAATAGGCTAGTGGGGTTAAGAACATTTGTAAAAGAG 811
                                                                                                                                                                                                                                                                                                                                                                                     812 TGAGGGGTACAATTGTAATTATGTAGTGGGTTCGGTCTCGCCTATAAATAGATGAAC 871
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                          14; Conservative 157; Mismatcher 108; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 872 AGTAACCCGCATAAATTACATTTTGCCACGTGCTACAGC 510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: GDA7 GRHD AND MITHER S GF USE
FILE REPEREMENT UNIVERSITY OF MINICOSOTA
CURRENT APPLICATION NUMBER, US/20/21 °C, ESAA
CURRENT FILLIND DATE: 1998-08-18
Best Local Similarity 5.0%; Pred. No. 0.0676;
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EARLIER APPLICATION NUMBER: KR 98-6,278
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EARLIER APPLICATION NUMBER: 60/056,170
EARLIER FILLING DATE: 1997-08-19
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U.S.-09-145 994 1
F.Sequence 1, Application USZ0913594A
F. Patent No. 6280938
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Patent No. 6124100
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FAPELICANT: Randm et al.
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1924 GOTCOGTTAGGAGGAGGAGGAGCAGCAG COCAGAA STEEGGGTALAY CAY CAGGANT 1983
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55.4%; Pred. No. 0.013;
xtive 0; Mismatches 62; Indels
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AFFLICANT: Comm. Zhiyuan
TITLE OF INVENTION: Intracellular Autifreeze Folypeptides
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CITY: San Francisco
STATE: California
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ATTORNEY/AGENT INFORMATION:
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC:00S/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; Sequence 27, Application 05/09117121
; Patent No. 6307020
                     NUMBER OF SEQ ID NOS: 3
SOFTWARE: WordPeriect 6.1/Windows
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Weber, Kenneth A. FREGISTRATION NUMBER: 31,677
REFERENCE/POCKET NUMBER: 019
TELECOMMUNICATION INFORMATION:
BARLIER FILING DAFE: 1996 02:26
                                                                                                                                                                                                                                                                                                                                                                                                                               1984 ACCITCGACATATCGAAGT 2902
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SEQUENCE CHARACITERISTICS:
LENGTH: 245 base pairs
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(415) 576-0300
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                                                                                                                                                                                                                         77; Conservative
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STRANDEDNESS: single
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CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER:
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LOCATION: 34..153
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                                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   linear
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CLASSIFICATION:
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                                                                                                                     ORGANISM: human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEPHONE:
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                                                                                                                                        US-00-253-691-3
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                                                           SEQ ID NO 3
                                                                                LENGTH:
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445 Broth No. 9, 15
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gjegtide 7 (sAFT)"
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TITLE OF INVENTION: for Letrection and freatment of Acade Leakemias
TITLE OF INVENTION: Resulting from Chromosome Abnormalities in the AIL: Kegion
NUMBER OF SEQUENCIES:
CORRESPONDENCE STATISTS:
ADDRESSE: Vendeork, Washburn, Kuitz, Markiewitz &
ADDRESSE: No. 6040140ris
                                                                                                                                                                                                                                                605 AGGCAGGAGGGACCCIAALAGGAGTATTCATACCAGGCAGCAGCAGCAGCAGTA 664
                                                                                                                                                                                                  66; Indels 0; Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Crare Carlo
APPLICANT: Caraani, Eli
TITLE OF INVENITOR: Diagnostics, Therapoutics and Mechads
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COMPUTER: THE PC compatition
OPERATING SYSTEM: PC-ros/Ms-1008
SOFTWARE: Patertin Release #1.0, Version #1.25
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APPLICATION OF MR. 1996
CLASSIFICATION: 4.45
PRIOR APPLICATION DAIN:
RAPLICATION NOMEN. PCT/US 4/04499
FILING DAITE: 2.54PR 19.44
FRICH APPLICATION DAIN:
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PRIOR APPLICATE N DATA: APPLICATION BONEER: 08 (8,727,392) FILING DATE: 19-OCT-1994
PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; Sequence 29, Application HSZ03545850D; Patent No. 6040140
                                                                                                                                                                                                                                                                                                                                                                                                                                1954 GCCCCAGAAGGTGCGGCTACAGC 1976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         725 GCASTAGCAUCAGCAGIAGCAGC 747
                MOLECULE TYPE: DNA (qenomic)
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                                                                                                                                                                                                                                                                        CURRENT APPLICATION DATA:
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PRIOR APPLICATION DAIA:
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MEDIUM TYPE: Floppy
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STATE: Pennsylvania
COUNTRY: USA
                                                              NAMEZKEY: CLIS
LOCATION: 136..1902
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linear
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TOPOLOGY:
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US-08-420-559-29
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                                           FEATURE:
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TITLE OF INVENTION: for factoring and Treatment of Acute backenias TITLE OF INVENTION: Resulting from Chromosome Abnormalities in the AII-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1.7%; Score 37.4; DH 3; Length 3376; 53.8%; Pred. No. 0.36;
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GENERAL INFORMATION:
APPLICANT: Greece Carlo
APPLICANT: Cancer (2010)
TITLE OF INVENTION: Diagnostics, Therapouties and Methods
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             66: Indels
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TORRENT APPLICATION DATA:
APPLICATION NUMBER POT/ORGA,/01496
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CITY: Philadelphia
STALE: Pennsylvania
                          APPLICATION NUMBER: US 07/805,093
FILLING DATE: 11-DEC 1991
ATTORHEY/AGENE THEORMALEON:
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                                                                                                   NAME: Deluca Esq., Mark
REDISTANTION NUMBER: 43,229
PEPERENCE, PORTION TRIBUTES: 7,30
TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                               TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3449
INPORMATION FOR SEQ ID NO: 29:
                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
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                                                                                                                                                                                                                                                                                                  LENCTH: 3376 base pairs
TYPE: nucleic acid
STKANDEDNESS: double
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REGISTRATION NUMBER: 33,
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PRIOR APPLICATION DATA:
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LOCATION: 196..1902
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Heat Local Similarity 56.7%; Pred. Mc. 0.27;
Matches 68; Conservative 0; Mismatches 52; Indels 0; Gaps
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APPLICANT: Refeser, Ronald J.
TITLE OF INVENTION: DEOXYRIBONGCLEASE II BEIA FROTEINS AND CONAS PILE REFERENCE: DC-0137
                                                                                                                                                                                                                                                                  1.7%, Score 37.4; Da 5; Longth 4476; 53.8%; Pred, No. 0.46;
                                                                                                                                                                                                                                                                                                               0; Mismatches 66; Indels
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CURRENT APPLICATION NOMBER (05)00,574,942
CURRENT FILING DATE: 2000-05-19
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PRIOR APPLICATION NUMBER: 09/541,840
NUMBER: 09/541,840
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Patent No. 6239264
GENERAL INPORMATION:
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Sequence 1. Application US/09574942
| Patent No. 6.458723
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                                                                                                                                 MANAGUNE TYPE, DNA (general)
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Steiner, Sabine
Mohr, Christine
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                                            3376 base pairs
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SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                       Local Similarity 53.8% es 77, Conservative
                     SEQUENCE CHARACTERISTICS:
INFORMATION FOR SEQ ID NO:
                                                                    TYPE: nucleic acid
STRANDEDNESS: double
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                                                                                                                Linear
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                                                                                                                                                                           ) NAME/KEY: CDS
) LOCATION: 196.
PCT US94-04496-29
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NUMBER OF SEQUENCES:
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ADDRESSEE: Schweuman, Lündheret, Weessher & Kluth, F.A.
STREET: P.O. Bo∢ 2938
                                                                                                                                                                                                         SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
FILLING DATE: 29-APR-1994
CLASSIFICATION: 435
PRIOR APPLICATION: 435
PRIOR APPLICATION: 08 68/48.191
FILLING DATE: 01-13-93
ATTORNET/AJINT INFORMATION:
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FITLE OF ENVIRON: POR RELEGIALITIES OF ENVENT ON: BURGEORFERT
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113-MAY-1996
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REFERENCE/TOWCKET NUMBER: RNL94 28A
TELECOMMUNICATION INFORMATION
TELEPHONE: (715) 282-7329
INFORMATION FOR SQ. ID NO: 135
                                          MEDIUM TYPE: Floppy disk
COMPUTER: 1BM PC compatible
OPERATING SYSTEM: PC-1X-S/MS-1X-S
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TYPE: Luciei acid
STRANDEINESS: double
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950 AGICAA1GGFA1GA1FG1AAAC11GT111C1A1AAGAGAAA1GAAATTC1AAGGCACATG 1019
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1520 AGARGAGTICICATATCTTCICATGTFFFTAIGTAFFFFTAGTCGATTACATCCAACTT 1079
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   840 AGTCGGTTCGTCTCCCCTATAAATAGATGAACAGTAACCCGCATAAATTACATTTGGCA 899
                                                                                                                                                                                                                                                                                                                                                                                                                  900 GCTGCTACAGTTTGTATAGCTCAGGCTCCAAAAGACATTGCTATGCTATCTTGCAGTAAGA 959
                                                                                                                                                                                                                                                                                                                                                                                                                                           640 AGGUGGUTGTGGGCCGGCCTGACATGATCACTCTTCTTCTTGAGATCACCTTTTCATCAGTA 581
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OBMENAL INFORMATION:
ANTHLOAND AS FIRE TAKASHIMA OF AL.
TITLE OF INVENTION. SCREENING METHOD FOR THERATHOPIC AGENTS ADAINS)
TITLE OF INVENTION. ALHEIMBETS FIREBASH (AT AMENDED)
HUMBER OF SEQUENCES: 13
                                                                                                                                                                                                                                       Match 1.6%; Score %6; DH 2; Longth 2088; Local Similarity 48.5%; Pred. No. 0.72; os 128; Congernative 0; Mismatches 13%; Indees
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      805 Fifteenth Street, N.W., #700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WENDEROTH, LIND & PONACK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APFLICATION NUMBER, US/08/461,018A
FILING DATE, Jane 5, 1995
                                                                                                          TOPOLOGY: Linear MOGLECULE TYPE, CDNA to achomic NWA ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM TYPE: Diskette, 3.5 inch,
MEDIUM TYPE: 1.44 mb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1080 CCTCCTTGAGTAGTTATCCCAAAG 1103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 13
US 08 461 018A 1/c
US 08 461 1 APP 1 141 6 TS/19461779A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              401 TATAIATTTTTATTTAAG 378
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Cheek, Jr.
RER: 33,367
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM Compatible
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APPLICATION NUMBER: 08/20
FILING DATE: March 2, 195
ATTORHUY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OPERATING SYSTEM: MS-DOS
                                           2088 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER:
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                           ORGANISM: human being
                                                                TYPE, owlein acid
STRANDEDNESS: double
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                                                                                                                                                                                             US-08-602-264A-1
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                                                                                                                                                                                                                                         Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       349 TOPOCOPTEGATIAATITAATITETAAGTOAANDO HIILAO IOAAATGTALOADHIOL 468
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              404 TCTTAAACAAGCIIIAGGAAGIIGTITITCGGA (U11GGAAFEGGGCTCCGAAGFEAFA 468
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  O; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                               Guery Match 1.6%; Score 36.4; DB 3; Length 839; Best Local Similarity 53.5%; Pred. No. 0.28; Matches 76; Conservative 0; Mismatches 66; Indels (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    B: WENDEROTH, LIND & PONACK
80% Fitteenth Street, N.W., #700
                                                                                                          150.127051
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APPLICANT APPRING COLUM
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MEDIUM TYPE: 144 mb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 1, Application US, **8f**22f4A
Fatest No. 5847853
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                February 20, 1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 08/204,091
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                                                                                10,440
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                                                                                                   REFERENCE/DOCKET NUMBER: 15
TELECORROHICATION TREGREATION.
TELEPHONE: 612-373-6500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: March 2, 1994
Altokney/Adent INFORMATION:
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                  FILLING DATE: 12-MAY-1994
ALFORDY/ADDIT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM Compatible OPERATING SYSTEM: MS-DoS
                                                                NAME. WARSHER, Warren D. REGISTRATION NUMBER: 50,4
                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE: Genomic DNA
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                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 839 base pairs
                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO:
                                                                                                                                                                    TELEFAX: 612-339-3061
                                                                                                                                                                                                                                                                                                     STRANDEDNESS: single
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CORRESPONDENCE ADDRESS:
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APPLICATION NUMBER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HATABATAAAAA TITTA HITTATATACACA 521
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Heimen Methode (* 1819auhri) auents against
Heimen (* 1818bauhr)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                900 GGTGCTACASTILLGIAIANG ARCHIOAAAAGAID GIGTIAD ISS A TAAMA 919
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5445
                                                                                                                                                                                                                                                                                                                                                                              Chery Match 1.6%; Scote 46; 1844; Length Johnst Best Local Similar by 48.5%; Pred. N. 0.72;
                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches 145; Indeks
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TITLE OF INVENTON: Conditional Amplifiable BAC Vector
NUMBER OF SEQUENCES: 4
CORRESPONTENCE ADDRESS:
ADDRESSEE: Charles & Brady
STREET: 1 South Pinckney Street
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COMPUTER: TMA PT computible
OPERATING SYSTEM: PCPUSENES INS
SOFTWARE: Pa entin Release #1.0, Version #1.00
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Patent No. 5874259
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 6.08-251-5000
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REGISTRATION WIMBER: 47094
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SEQUENCE CHARACTERISTICS:
LENGTH: 7567 base palts
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ZUBB base pairs
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TELEPHONE: 6.08-251 9166

THERAX: 6.08-251 9166
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                                       TYPE: narlely arid
STRANDELNESS: double
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US-08-975-763-1/c
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ALLIGNMENTS

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ALTONMENTS	RESULT 1 SS-09-894-633A-98 Superior 78, Apt 1 or 1 or 10, 394633A Superior 78, Apt 1 or 1 or 10, 394633A Superior 78, Apt 1 or 1 or 10, 394633A Subtract RL 1 or 20, 3000	Query Match 49.7%; Secretions: DR 10; Length 1109; Best Local Similarity 99.8%; Pred. No. B.20-298; Matches 1102: Conservative 0; Mismatches 2; Indets 3; Caps	Oy 688 IGATAGCITGGALGAGCAAA3GAGTITCAGALATAAGCAAAGGAAAAGTGAAGGAAGGAAGAGAAGTAGAGTAGAGTAGAGTAGAGTAGAGAGAGAGAGTAGAGTAGAGAGAGAGAGAGAGTAGAGTAG

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Patent No. US20020124.885#1
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APELICANT: Conner, Farince
APELICANT: Malven, Marianne
APELICANT: Massucci, James
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: GENERAL INFORMATION:
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TITLE OF INVENTION: PLANT REGULATORY SEQUENCES FOR SELECTIVE CONTROL OF GENE EXPRE
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APPLICANT: Sherman, Bradley, K.
TITLE OF INVENTION: POLYMUCLEOTIDES AND POLYMEPTIDES DEMINED FROM CORN TASSEL
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Bost Local Similarity 60.2%; Pred. No. 1.6e
Mitches 171; Conscrative 9, Mismatcher
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CURRENT FILING DATE: 1999-04-16
PRIOR APPLICATION NUMBER: CO/080,567
PRIOR FILING DATE: April 21, 1998
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; LOCATION: 77, 250
; OTHER INFORMATION: a, t, c, q, or other
US-09-294.093B-6185
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; Patent No. USZ0010051335Al
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                                                                   CURRENT FILING DATE: 2001-06-28
PRIOR APPLICATION NUMBER: 60/214,357
PRIOR FILING DATE: 2000-06-28
                                                                                                                                     PRIOR APPLICATION NUMBER: 09/894,633 PRIOR FILLING DATE: 2000-06-28
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                                                                                                                                                                                                           SOFTWARE: Patentin version 3.0
                        FILE REFERENCE: 38-21(15856)B
                                                                                                                                                                                                                                                                                                                                                                                       73.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                 Matches 156; Conservative
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                                                                                                                                                                                        NUMBER OF SEQ ID NOS: 111
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                                                                                                                                                                                                                                                                                                                                                                                         Rest Local Similarity
                                                                                                                                                                                                                                                                               TYPE: DNA
ORGANISM: Zed mays
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APPLICANT: Shorton, Bradloy, K.
TITLE OF INVENTION: POLYNICLEOTIDES AND POLYFEBILIES DEBIVED FROM OF BY TAKE OF INVENTION: POLYNICLEOTIDES AND POLYFEBILIES DEBIVED FROM OF BY THE REPERENCE PROLOGY US.
CURRENT APPLICATION NUMBER: 607(82,567
PRIOR APPLICATION NUMBER: 607(82,567
NUMBER OF SEQ ID No.8:
SOFTWARE: PERL PROJECT APPLICATION.
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APPLICANT: 110, Lanta, Y.
APPLICANT: Sherman, Bradley, K.
THIE OF INVENTION: POLYNOTIS (HOES AND POLYHPETHOES DESIVED FROM CONTACTOR
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NAME/KEY: misc_leature
ofHER INFORMATION: Incyte ID NO. US20010051305A1 2000B2001B1
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Offler INFORMATION: Incyte ID NO. US20010051345A1 700454;99E1
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Best Local Similarity 98.4%; Pred. Nr. 7.8e-08;
Matches 62; Conservative 0, Mismathhes 1: Indels
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0: Misma*ches 14; Indels
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PURCOR APPLICATION NUMBER: 602/092,567
PRIOR FILING LAFE: APPLIL 21, 1994
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3 THER INFORMATION: a, t. c. d. of others
0S-09-294-0938-5656
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Rest Local Similarity 85.6%: Pred. No.
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APPLICANT: Latindi, Regulath, V. APPLICANT: Ito, Latra, Y.
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FP Per ent. No. US2601c051445A1
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US-09-294-093B-3933
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                                           Query Match
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VENTION: POTYNOOUS OTHER AND SOUTHER DEFIVED THEM COENTAINED
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WENTION. FOLYMOOLDSTIDES AND FOLYTHITIDES DEKIVED FROM SORN LASSEL
SMCE: PL-0009 US
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OTHER INFORMATION: Incyte ID No. US20010051335A1 700354271H1
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OTHER INFORMATION: Incyto ID No. Urgabilegsteetal 700352826H1
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D'CATION: 7, 82, 90, 107, 146, 157, 177, 227, 255
OTHER INFORMATION: 4, t, c, q, or other
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LOCATION: 253, 255, 271, 274
OTHER INFORMATION: a, t, c, q, or other
                                                                                                                                                                 Septembrie 4432, Application US, 092040938
Patent, No. USZ001005135A1
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PRIOR APPLICATION NUMPEY- 64,7042 64,7
PRIOR FILLING DATE: April 21, 1998
NUMBER OF SECIED WAS: 6207
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; Patent No. US20010051335A1
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PROME APPLICATION NUMBER: 60,082,567
PRIOR FILLING DATE: April 21, 1998
                                                                                                                                                                                                                                   Lalqudi, Raghunath, V.
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FILE REFERENCE: PL-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Zea mays
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ORGANISM: Zea mays
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                                                                                                                                                                                                            GENERAL INFORMATION:
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               1821 AAA 1823
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SEQ ID NO 4432
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APPLICANT: MASUCCÍ, JAMES
TITLE OF INVENTION: PLANT REGULATORY SEQUENCES FOR SELECTIVE CONTROL OF GENE EXPRE
PILLE FEEFENCE: "(1.5856)B
CURFERT AFFLICALION NUMBER: 185/0, 854, 633A
CURFERT FFILING DATE: 2001-06-28
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                                                                                                                                      2.2%; Secre 49; DB 10; Length 1109;
59.9%; Pred. No. 0.002;
tive 0, Mismatches 55; Indels
2.4%; Score 53; DB D; Longth 294;
100.0%; Pred, No. 6,6e-05;
five 0; Mismarches 0; Indels
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                                                                                                                                                                                                                                                                                                Sequence 98, Application US/09894633A Falest No. OSECCESTSTSESAL CENERAL INFORMATION: APPLICANT: Conner, Timothy APPLICANT: Dubois, Patrice
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: 09/894,633
PRIOR FILING DATE: 2000 06 28
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SOFTWARE. Patentin version 3.0
SEQ ID NO 98
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                         Best Local Similarity 100.0%
Matches 53; Conservative
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Hest Local Similarity 59.9%
Hest Local Similarity 59.9%
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APPLICANT: Hauge, Brian M.
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LENGTH: 335913
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APPLICANT: Tao, New Windows
APPLICANT: Byst., John C.
APPLICANT: Mathia-loan, Naturped.
TITLE OF INVENTION: MUTLET ACTD AND STREEM MISSULES ASS STATED WITH LACTATE A AND TITLE OF INVENTION: MUTLET ACTD DEPOSITION.
TITLE OF INVENTION: MUSLET AND TITLE OF THE REFREENCE: 165 LOGGL/S ACCOUNTY A COURT A CO
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Best Local Similarity 49.6%; Pred. No. 0.0044;
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APPLICANT: Scherf, Dwe
APPLICANT: Gene Liver
APPLICANT: Gene Lixerent, Inc.
APPLICANT: Gene Lixerent, Inc.
APPLICANT: Gene Lixerent, Inc.
APPLICANT: WRIGHT, INC.
GURRENT APPLICATION WRIGHE, USA, 2007-860, 197
CURRENT PILING DAIE: Z001-66-14
PRIOR PPLICALICAN WRIMPRE: US 60/213, 479
PRIOR ETLING DAIE: 2000-06-14
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SKOANISM: Nos toutus
OTHER INPOSMATIN: Clode ID: 21 LIReeSe of g; K1-P9
Db 76301 ATGTGACCGATACTTTATTTCATGTACCALTTALCTTTA 7544
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                                                                                                                                                                                                                                                                                      Sequence 4845, Application US/0996835, Patent No. US20020137139Al GENERAL INFORMATION:
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; Farent No. US20020142981A1
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711LE OF INVENTION: Process for identifying Anti-Cancer Therapeutic Agents Using Cand
FILE REFERENCE: 689250-76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Byalt, John C. APPLICANT: Mathialagan, Nagappan APPLICANT: Mathialagan, Nagappan TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND TITLE OF INVENTION: MUSCLE AND PAT DEFOSITION CONFERT PAST, ONE 37-21 (10/40/2) CONFERT PARLICAL NUMBER, 05/70/4/60/552 CONFERT PILING DATE: 2011-09-24 NUMBER OF SEQ ID NOS: 15112
                                                                                                                                                                                                       1523 TONGTICICATATCTTCGTCATCATGTTTTTATCTACTACTACATTACATCCAACCTTCGT 1682
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                                                                                              Query Match
Hest Local Similarity 54.5%; Pred. No. 0.39;
Matches 84; Conservative 5, Mismatchas 72; Indels 6,
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Best Local Similarity 50.8%; Pred. No. ).52;
Matches 94; Conservative 0; Mismatches 91; Indels 0;
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Patent No. 00200201471 99A1
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Patent No. 0820020115057A1
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Best Local Similarity 54.5%; Pred. No. 2.7;
Matches 79, Conservative 0, Mismatches 66; Indelo 0;
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PPLOP APPLICATION NUMBER 18,2000-09-27

PRIOR FILLING DATE: 2000-09-27

PRIOR FILLING DATE: 2000-09-27
CURRENT APPLICATION NUMBER: US/09/951,456
CUPPINT PILING PAID: 2001-09-18
FEL P APPLICATI & NUMBER: US/09/233,617
                                                             FELTE APPLICATION NUMBER, 13,47,234,617 PRIOR FILLING DATE: 2000-09-18 PRIOR APPLICATION NUMBER OF,750,24,052
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PRIOR APELIZATION NUMBER: US/66/234,923
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Job time : 768 sees
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P.44F5946 S04 bp mRNA linear EST 07-JUN-2902
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Eukaryota: Viridiplantae; Strop aphyta: Embryophyta: Tracheophyta;
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illarity 82.1%; Prod. No. 60.56;
Conservative 0; Mismaradon
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Mommphified cDNA library directionally cloned by Ethna Rulikouskas using Stratagene's Uni-Zap system. Disch sizes ranged from 0.5Kb to 2Kb, 50 microliter aliquot had 438,000 plu when it was made in Sept, 1995, from oliquother bring depty may 7. Ref. 1952 c. 157 q. 76 t.
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Spermatophyta, Magnoliophyta, Liliopsidu, Poales, Poaceor, PASC
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tive 0, Mismatches 0; Indels 7
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Unpublished (2002)
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Orion Genomies, LLZ
4041 Porest Park Ave. St. Loais, Mo 6-108, USA
Fex: 314-615-5975
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Contact: Bedell JA
Orion Genomics, LAC
4041 Porest Park Ave, St. Louis, Mo 63108, USA
Fax: 44 645 5979
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Best Local Similarity 23.4%; Pred. Ro. 8.4e 24;
Matches 218; Conservation 0; Mismatches 76;
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sdro to store 1111 725;

Missing the second

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Entering): Stringtplantae: Streptophyta: Embryoglyta Irachow phyta: Spermatophyta: Magnollophyta: Lilbopsida; Boales; Practory PAPT clade; Panicoideae: Ardropotanover Zea.

1 (Bases I to 452)

8 Eabline c.P.D. of Shaqhbeeny A.L., Hallia.V., Irahia.N., Zatzenburger, F.L. of King, L., Miller, B., Museimento, L., Zatzenburger, F., Kfog, L., Miller, B., Muller, S., Nascimento, L., Zatzenburger, F., Kfog, L., Miller, B., Muller, S., Nascimento, L., Contavern, F., Kfog, L., Miller, B., Miller, B., Contact W. Kichard McCombie Contact W. Kichard McCombie Contact W. Kichard Archbert Sazaro Genomic Sequencing Center Cold Spring Barbor Latoratory Cold Spring Barbor Latoratory.

Per Rex. (O. Cold Spring Barbor, NY 11724, USA)
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Ablace 1004 man immature easts Site_i: Xbo is site z: Xbo is

Anote "Ordan: immature easts Site_i: Xbo is site z: Xbo is

The vector was directed with Xbol and are reclected was
added by fill in in the recessive 4° end. the organic BNA
was acbulized, end regalized, adapted into a negative between 8.8 and 4.8 band were cleared into the vector

(xXy reads in Mismple, Ava reads in publy). The same
lightion was table for a fixer is cleared into the Same
                                                                                                                                                                                                                                                                                                                                        SS of Albi Zate.
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593 AGTGGTAAAAGAAAGATAAACTAACCTTTCTTAOMAAACTCTTTGGAAAAAAAAAAAAAA 44
                                                  13.11 AAAACATGTACCCTTGTATTTTGT GAAAACTGGAAAATTGCAAAATTGCCTACAAACTTGAAACATTGCAAAATGGAAACTTATG
                                                                           eng Indels 5; days
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Zdb_vvrot "roson;457"
Zelono-"hm741u6"
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Plate: hm73 row: 1 colum
Seq primer -:21M13UnivRev
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Tel: 516 407 8884
Fax: 516 407 8874
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Class: shedgun
                                                                                                                                                      1371 TOWNTACGA: 1380
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AUTHORS
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between 0.8 and 3 kb and were cloned into the vector (LAZ) reads in MiRap19. AZA read. in plott9. The same lightlon was transformed in either JM107 or DH5a. "
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The vector was digested with Xbal and one nucleotide was
added by fill in in the recessive 3' end. The genemic bNA
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Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACC
clade; Panicoideae; Andropogoncae; Zea.
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//lab_host "JMIO7 or Disa"
1264 ACATAAACCAACCTTTCTTAGCAACATTCTTCCAAAAAAAGAAGATCAAAACATGTACCC 1323
                                                                                                      1324 TIGIATITIGIGAAAAGTGGAICTCCAAAATTGCCTACAATGGAAGGIGGCCFACGAGAAA 1383
                                                                                                                                                                                                          1484 CGGTTATAATCGAGGAGGTAGA-GAGAATTTTATGCTACAACCTTCACAGGGGGTTTTC 1441
                             375 TECTATNITICIONAATCIOGAACTCIGAAATCCICAATGTAAGTIGCCTGCGAGCTA 316
                                                                                                                                                                                                                                     Rabinowicz,P.D., o'Shandhnessy,A.L., Felija,V., Pedhia,N.,
Katzenburger,F., King,L., Miller,B., Miller,S., Nascimento,L.,
Zutavern,T., McCombie,W.R. and Martienssen,R.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Genomic shotgan sequences from Zea mays (methyl filtered)
Unpublished (2002)
Contact, W. Richard McCombie
                                                                                                                                 Lita Annenherg Bazen Genome Sequencing Center
Cold Spring Barbor Laboratory
Po Box 100, Cold Spring Barbor, NY 11724, USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Plate: hp42 row: b column: 12 Seq primer: -21M13UnivPwd
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/db_xref "taxon:4577"
/clone="hp42h12"
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1. .678
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                                                                                                                                 BH873135.1 CT:22109032
                                                                                                                                                                                                                                                                                                            1442 CTAAGAAACATCCACT 1457
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Obery Match 5.1%; Score H.5.4; DB-17; Length 678; Best Local Similarity 62.4%; Pred. No. 1.7c 15; Matches 627; Conservative 0, Mismarches 156, Indels 30, Saps
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y 519 GGCLACHTFIGGGAGCHCTAPATIGAAGAFCACLIGGT AAACTTTACHTGACACA 578

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витувыть СSS 28 ма linear GSS 28 мак 2002
frmb013f016c10f0 izmb filtered library Zea mays genomic clone
izmb013f016c10 5', DNA sequence.
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Spermatophyta; Madnollophyta; Lillopsida; Poales; Poaceae; PACC
clade; Panicoideae; Andropoacneae, Zea.
1 (bases 1 to 398)
Hodiman,M.A., Freese,K.G., Hedell,J.A., Numbera,A.N. and Lukey,M.D.
GeneThresher methylation fillered genomic sequence; from maize
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//note_State.leat: Wester, pBCSK(*); Site_i: Him.His.DNA
prepared from purified nuclei was randomly sheared,
end-repaired. Size Inactionated to enrich for the 0.5 to
5 kb fraction, ligated into HincH-digested pBCSK(*)
507 GGATACTATTGGGGGCCTATTATGCCAAAGAT--GCTCATFCAACTTTCAGTTCAGTAA 450
                                                                                           449 AACAATIGIGITTITAIGIACA/TTITAIIGAIGGAGGAGG/IGACCIITGGIIGGAGGAA 390
                                                                                                                                                                                                                                                             808 ACA-------GTGAGGGGTACAATTGTAATTATGTAAGTGGGTTGGTGTTCT
                                                                                                                                                                                                                                                                                                                                                                                                                                            854 COSTATAAATAGATGAACAGTAAGCGGCATAAATTACAITTTGGCAGGTGCTACAGGCTIT 913
                                              579 AGCTAGTGTGTTTCAGGAATATCTCTACTGATGCAGGAAGCCAACCTTCGGGTTGGGAAGG 638
                                                                                                                                         639 CGTGCAGAGCAT----TGCACATGAAAGGTGAAAGGTAATAACCAAAGTTGATAAY 694
                                                                                                                                                                                                                                  695 TECCATGACACAAAGGAGCTTCAGATACAAOCGAAAGAAAGAAAG------GCGACGAAG 247
                                                                                                                                                                                                                                                                                                                           748 GOTTAAATGGGAGGAGGGGAAGATGGGGAAAATAGGGTAGTGGGGTAACAACATTTGTAA 807
                                                                                                                                                                                                                                                                                                                                                                       270 GOMAAAACCOGOGTAGCCAAGAAAAGCCGAAAATACATTGTGGGGATGTGATTTGTAA 211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         914 GTATAGCTCAGGCTCCAAAACACATTCGTGCTATCTTGCATTAAGAAGT-AATGGTATGA 974
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       orion Genomics, LLY
1711 Eutest Fush Act PL. Hamils, M. * Fleg, USA
Tel: 314-615-6979
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Contact: Bedell JA
                                                                         Fux: 314 615 5975
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	del compatibility of	Manual Man, and	1.8A 1111111A 13A 14111	TAATTITTIA PAALTIT	TO STAMARY TO BATTO TRANSCO, TOTAL VALGORARANT TO THE THE THE THE THE TRANSCORPORT TO TRANSCOR	AAC		"48 Fp : NA : N	:	statues Stropt giving the state of the pseudo-	7.85 1.886 B. M. Booke, D. A. 2.11 B. B. H. Borrott, B. M.	A. Abel St. Dodlas M. Co.	Consequence Community (Consequence)	Station of the state of the sta	. "

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Contact: W. Richard Metombie
Cold Spring Harber Laboratory
PS Spring Harber Laboratory
Fell 518 457 RHR4
Fell 518 457 RHR4
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TCTL - TETT TO TETT CAASAAAAASSAAAAASSAA TAA
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TITAGGAATALITIGYAFTAGGAGA WAAA CITAATGITIGAFLAAL BYA SI STAMAAA 🥝
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Nate: hi35 row: b column: L2
eq primer: -21M13UnivRov
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/cultivar "h7 «"
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tractionated using sepages. The resulting fraquents were between 0.8 and 4 kb and were elemed into the vector (x2 reals in p<sup>274</sup>). The same lightlon was tracked in cither JM107 or DH5a. "
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1 (bases 1 to 590)
Rabinowicz, P.D. O'Shauqhnessy, A.L., Ballja, V., Hedbia, N., Rabinowicz, P.D. O'Shauqhnessy, A.L., Ballja, V., Hedbia, N., Zatzventarer, F., Kiva, L., Miller, B., Maller, S., Nazelmento, L., Zulaventa, L., McCombio, W.R. and Wattienssen, R.A. Genomic shotom sequences from Zea mays (methyl-filtered)
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Zlab_best "LM102 or DM5x"
                                                                                                                                                                                                                                                                                            1178 AAAAGCAAGTGACTAACACATGGTTAAACCCAAMATCCGAAAAGAGGCTAAAATTGAGGA 1237
                                                                                                                                                                                                                                                                                                                                                                                                     1238 AGAATGAAGAAAAAGTTGGTAAGAGGAACATAAAAGGAGCTTTGTTAGCAACATTGTTGCA 1297
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HHR68886 MAS Zmaype (LM197 adapted Bechyl (Iltered) Zea mays qenomic clone hk29e03 57, DNA sequence.
                                                                                                                                                                                                                                                                                                                        1; Gaps
                                                                                                                                                                              4.5%; Score 99.2; DB 17; Length 559;
29.3%; Prod. No. 3.1e 12;
Eve. 0; Mismatches 33; Indels 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1298 AAAAAAAAAAAACATGAAAACATGIAGGTTGTATTTTGTGAAAAGT 1341
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Cold Spring Barbor Laboratory
Pe Box 100, Cold Spring Harbor, NY 11721, USA
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Seq primer: -21M19Shivkev
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/oultivar:"R74"
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Contact: W. Richard McCombie
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Email: mercombiedeshl.org
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                                                                                                                                                                                                          79.38,
                                                                                                                                                                                                                                       Matches 130; Conservative
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GSS 25-APR-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           designed to allow plasmed reserve from rotal denomic DNA. Ma cicuments insert preferentially into transcription units. For more information on Reserve. As the web-site www.nm.Mt. lastate.cdm and tollow the like for 'RescreMn.' Grid I was grown at Berkeley in 2001. DNA was extracted from leaf punches, double discussive his in BnA was
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Bakaryota, Viridiplantae: Streptophytu: Embryophytu; Ira-baophytu:
Spermatophyta; Mannellophyta; Li.jopsida; Poales; Foaceae; PACC
clade; Panicoldeae; Andropoqoneae; Zeu.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Maize genomic sequences found using engineered RescueMu transposon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Tel: 650 723 2227

Fax: 650 725 8221

Finall: Walbot-Stanford.edn

Very probable libration site of ends cut by single endominitouse.

Reverse complemented post Ligation sequence from source sequence.

Plate: 1008112 row: 44
                                                                                                     1954 TALLOTAGIOGALIACATOTAACOTTOGAGATAGATAGACAAAAAATTAAAATTAAAAATTAA
                                                                                                                                                                                                     /note "Organ: leaf; Vector: RescueMu (engineered from
pBlueScript backbone), Site, E. Bamill; Site, 2: Bull1;
RescueMu is a 4.9 kb, modified maize Mu transposon
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                                                                                                                                                      1 TALFCCATTCGATTATACGCAACCTTTGTCATTGAGTTGTTATFCCGAAGAGAATAACACT 60
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  4.5%; score 98.8; DB-17; Length 590;
81.0%; Pred. No. 3.90-12;
Lix. C, Mismatcher 27; indels 0.
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.e.i.i.er " .e.et tare,presed w.e,61#8/B73"
/db_xret="taxon:4577"
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/tissue_lype "loaf"
/dev_stage="adult"
/lab_bost "hH108"
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Walbot,V.
Ouery Match
Bost Local Similarity 81.0%
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Contact: Walbot V
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